

PROJECT: HPI Fortuna Shell
BORING LOCATION: ALLEY WEST OF 8TH STREET
DRILLING METHOD: GEOPROBE
DRILLER: LAKE'S WELL DRILLING
DEPTH TO WATER: INITIAL ∇ : NA
SITE GEOLOGY: FLUVIAL TERRACE AND COLLUVIAL FAN DEPOSITS
WELL CASING: 1.5" PVC
SEAL AND INTERVAL: GROUT 1.5 - 25.5'

PROJECT NO.: 4563.01
DATE: 11/1/04
ELEVATION: 55 Feet msl
LOGGED BY: JMW
COMPLETION ∇ : NA
WELL SCREEN AND INTERVAL: 10-slot, 26 - 28'
SAND PACK AND INTERVAL: 25.5 - 28' #2/16

ELEVATION/ DEPTH	SOIL SYMBOLS, SAMPLERS AND TEST DATA	USCS	Description	P.I.D ppm	Hanby Result	Well Construction Diagram
55 0			NO RECOVERY FROM 0 TO 16 FEET BGS.			
52.5 2.5						
50 5						
47.5 7.5						
45 10						
42.5 12.5						
40 15						
37.5 17.5		SM SM	SILTY SAND: tan, medium dense, moist; 5% clay, 10% silt, medium plasticity, 75% fine to medium sand, 10% fine to medium subrounded gravel. No hydrocarbon odor or staining. SILTY SAND: tan, medium dense, moist; 5% clay, 10% silt, low			

PROJECT: HPI Fortuna Shell
 BORING LOCATION: ALLEY WEST OF 8TH STREET
 DRILLING METHOD: GEOPROBE
 DRILLER: LAKE'S WELL DRILLING
 DEPTH TO WATER: INITIAL ∇ : NA
 SITE GEOLOGY: FLUVIAL TERRACE AND COLLUVIAL FAN DEPOSITS
 WELL CASING: 1.5" PVC
 SEAL AND INTERVAL: GROUT 1.5 - 25.5'

PROJECT NO.: 4563.01
 DATE: 11/1/04
 ELEVATION: 55 Feet msl
 LOGGED BY: JMW

COMPLETION ∇ : NA

WELL SCREEN AND INTERVAL: 10-slot, 26 - 28'
 SAND PACK AND INTERVAL: 25.5 - 28' #2/16

ELEVATION/ DEPTH	SOIL SYMBOLS, SAMPLERS AND TEST DATA	USCS	Description	P.I.D ppm	Hanby Result	Well Construction Diagram
35 20			plasticity, 85% fine sand. No hydrocarbon odor or staining. SILTY SAND: tan, dense, moist; 10% clay, 15% silt, medium plasticity, 75% fine to medium sand. No hydrocarbon odor or staining. Some manganese stain.			
32.5 22.5			SILTY SAND: tan, medium dense, moist; 10% clay, 20% silt, 75% fine to medium sand. Slight MTBE odor. Manganese stain.			
30 25		SP-SM SM	SILTY SAND: tan, medium dense, moist; less than 5% clay, 15% silt, 85% fine sand. Slight MTBE odor.			
27.5 27.5		SP	POORLY GRADED SAND WITH SILT; tan, loose, wet; 10% silt, low plasticity, 90% fine sand. Slight MTBE odor. SILTY SAND; tan with red, medium dense, moist; 5% clay, 15% silt, low plasticity, 80% fine sand. Slight MTBE odor. Iron stain. POORLY GRADED SAND; light tan, medium dense, moist to wet; 5% silt, 95% fine sand. MTBE odor. Iron stain.			
25 30		SM SM	SILTY SAND WITH GRAVEL; tan, loose, wet; less than 5% clay, 15% silt, no plasticity, 70% fine to medium sand, 10% fine subrounded to rounded gravel. MTBE odor. Iron stain. SILTY SAND; tan, medium dense, moist; 5% clay, 20% silt, low plasticity, 75% fine sand. No hydrocarbon odor or staining.			
22.5 32.5		SP SM	POORLY GRADED SAND; light gray tan, loose, moist; 5% silt, 95% fine sand. No hydrocarbon odor or staining. SILTY SAND; light gray tan, medium dense, moist; 10% clay, 15% silt, low plasticity, 75% fine sand. No hydrocarbon odor or staining. Large manganese nodules at 32 feet bgs. HALT AT 32 FEET BGS IN SAME.			
20 35						

Figure _____

PROJECT: HPI Fortuna Shell
BORING LOCATION: ALLEY WEST OF 8TH STREET
DRILLING METHOD: GEOPROBE
DRILLER: LAKE'S WELL DRILLING
DEPTH TO WATER: INITIAL ∇ : NA
SITE GEOLOGY: FLUVIAL TERRACE AND COLLUVIAL FAN DEPOSITS
WELL CASING: 1.5" PVC
SEAL AND INTERVAL: GROUT 1.5 - 22'

PROJECT NO.: 4563.01
DATE: 11/1/04
ELEVATION: 55 Feet msl
LOGGED BY: JMW

COMPLETION ∇ : NA

WELL SCREEN AND INTERVAL: 10-slot, 22.5 - 24.5'
SAND PACK AND INTERVAL: 22 - 24.5' #2/16

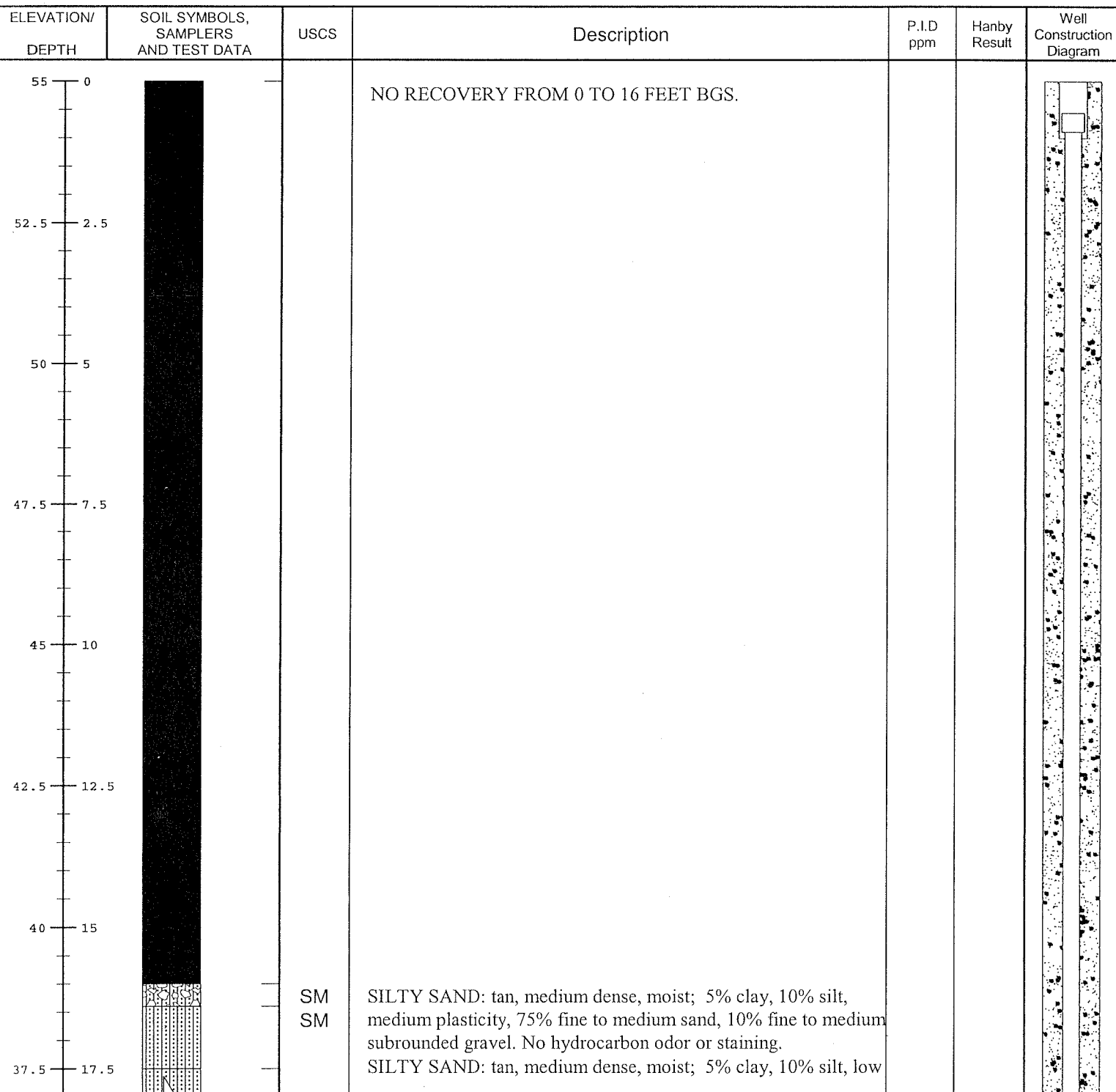
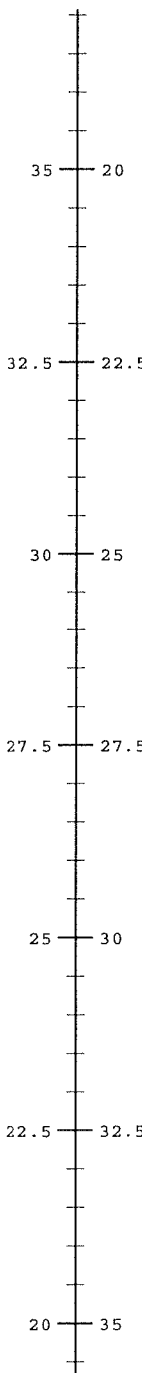
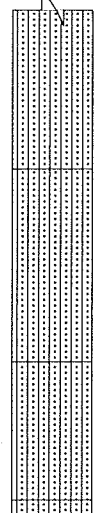


Figure _____

PROJECT: HPI Fortuna Shell
 BORING LOCATION: ALLEY WEST OF 8TH STREET
 DRILLING METHOD: GEOPROBE
 DRILLER: LAKE'S WELL DRILLING
 DEPTH TO WATER: INITIAL ∇ : NA
 SITE GEOLOGY: FLUVIAL TERRACE AND COLLUVIAL FAN DEPOSITS
 WELL CASING: 1.5" PVC
 SEAL AND INTERVAL: GROUT 1.5 - 22'

PROJECT NO.: 4563.01
 DATE: 11/1/04
 ELEVATION: 55 Feet msl
 LOGGED BY: JMW
 COMPLETION ∇ : NA
 WELL SCREEN AND INTERVAL: 10-slot, 22.5 - 24.5'
 SAND PACK AND INTERVAL: 22 - 24.5' #2/16

ELEVATION/ DEPTH	SOIL SYMBOLS, SAMPLERS AND TEST DATA	USCS	Description	P.I.D ppm	Hanby Result	Well Construction Diagram
			<p>plasticity, 85% fine sand. No hydrocarbon odor or staining. SILTY SAND: tan, dense, moist; 10% clay, 15% silt, medium plasticity, 75% fine to medium sand. No hydrocarbon odor or staining. Some manganese stain.</p> <p>SILTY SAND: tan, medium dense, moist; 10% clay, 20% silt, 75% fine to medium sand. Slight MTBE odor. Manganese stain.</p> <p>SILTY SAND: tan, medium dense, moist; less than 5% clay, 15% silt, 85% fine sand. Slight MTBE odor. Manganese stain.</p> <p>SILTY SAND: tan, medium dense, moist; 5% clay, 10% silt, 85% fine sand. Slight MTBE odor. HALT AT 24.5 FEET BGS IN SAME.</p>			